

ACCEPTED VENDORS:
MOTION & FLOW CONTROL PRODUCTS
834 S.E. FRONTAGE RD.
FORT COLLINS, CO 80524


MANUFACTURER:
PARKER-HANNIFIN
WWW.PARKER.COM

MFR# P/N: 471TC-4
MATERIAL: NITRILE-BASED SYNTHETIC RUBBER
MAXIMUM WORKING PRESSURE: 5000psi
MINIMUM BURST PRESSURE: 20000psi
MINIMUM BEND RADIUS: 2in
WORKING TEMPERATURE RANGE: -40°F TO 212°F

MFR'R P/N: 10643-4-4C
MATERIAL: STAINLESS STEEL
DYNAMIC PRESSURE: 5000psi

MFR'R P/N: 13943-4-4C
MATERIAL: STAINLESS STEEL
DYNAMIC PRESSURE: 5000psi

REQUIRED CERTIFICATION:
PROOF TEST HOSE ASSEMBLY TO MINIMUM 4500 PSI. HOLDING PRESSURE FOR A MINIMUM OF 10 SECONDS. NO LEAKAGE OR DEFORMATION OF PART IS ACCEPTABLE AND IS CAUSE FOR REJECTION.



REVISION HISTORY					
DATE	REV	DESCRIPTION	AUTHOR	CHECKED BY	APPROVED
02/26/18	B	ADDED NEW SHT 1 AND MOVED REV BLOCK, ADDED NOTES; CHANGED -1 HOSE TO HOSE ASSEMBLY; ADDED -2, -3 AND -4 HOSE ASSEMBLIES.	JT	LS	JT
7/31/18	C	SORTED ALL BOM'S BY P/N DESCENDING & RENUMBERED; -2 HOSE LENGTH WAS 17.7IN; -3 HOSE LENGTH WAS 13.0IN; -4 HOSE LENGTH WAS 10.8.	EW	LS	CMK
11/12/19	D	ADDED -9/-10/-11/-12	CMK	LS	CMK
1/29/20	E	REMOVED -1/-2/-3/-4; SHT 1 - ADDED PRESSURE TEST REQUIREMENT	CMK		CMK

NOTE:

This drawing defines the overall geometry and performance specifications of the part/assembly, and constitutes the acceptance criteria thereof. Only the item(s) described in this document procured from the vendor and/or manufacturer listed hereon are approved for use. A substitute item shall not be used without prior approval. Conformance of hardware to these requirements is acceptable in lieu of vendor and/or manufacturer documentation.

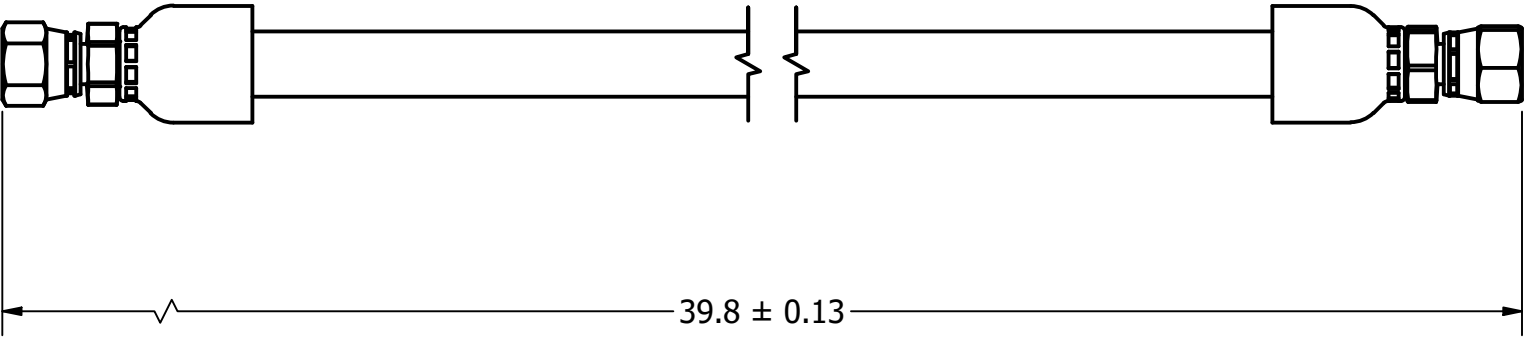
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PROTO

 Paravion[®] Inc.	TITLE <h1>HOSE</h1>				DRAWING NUMBER <h1>ES40310</h1>			
	DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED:		DRAWN BY EW	CHK'D BY LS	APRVD. BY JT	DATE 10/4/17	REV E	ECO
	.X = $\pm .1$.XX = $\pm .05$.XXX = $\pm .010$ ANGLES = $\pm 1^\circ$					DO NOT SCALE DRAWING		SHEET
	THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A		3RD ANGLE PROJECTION			© 2018 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.		1 OF 3

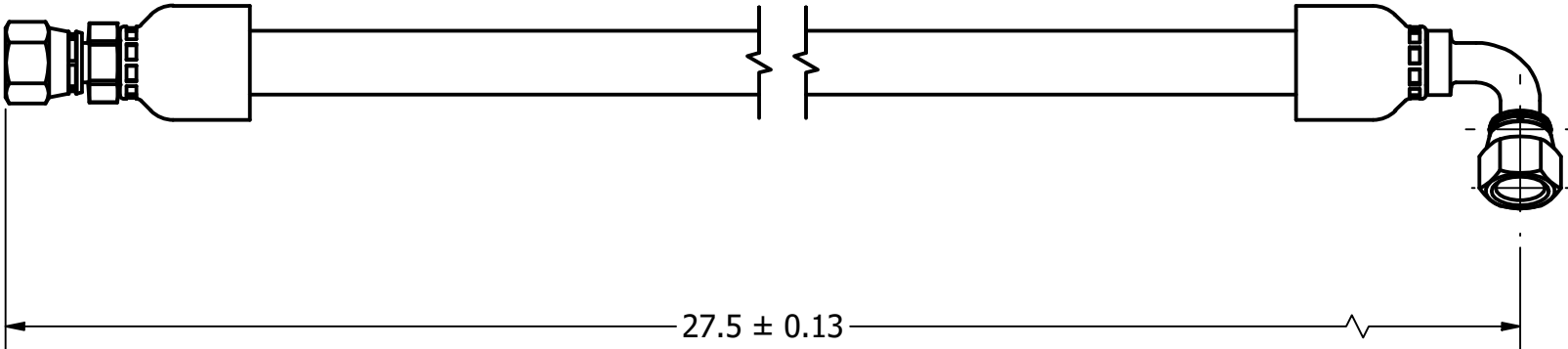
-9 HOSE ASSEMBLY

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	37.6 IN	471TC-4	HOSE
2	2	10643-4-4C	STRAIGHT FITTING




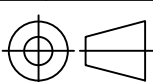
-10 HOSE ASSEMBLY

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	13943-4-4C	ELBOW FITTING
2	1	10643-4-4C	STRAIGHT FITTING
3	25.5 IN	471TC-4	HOSE

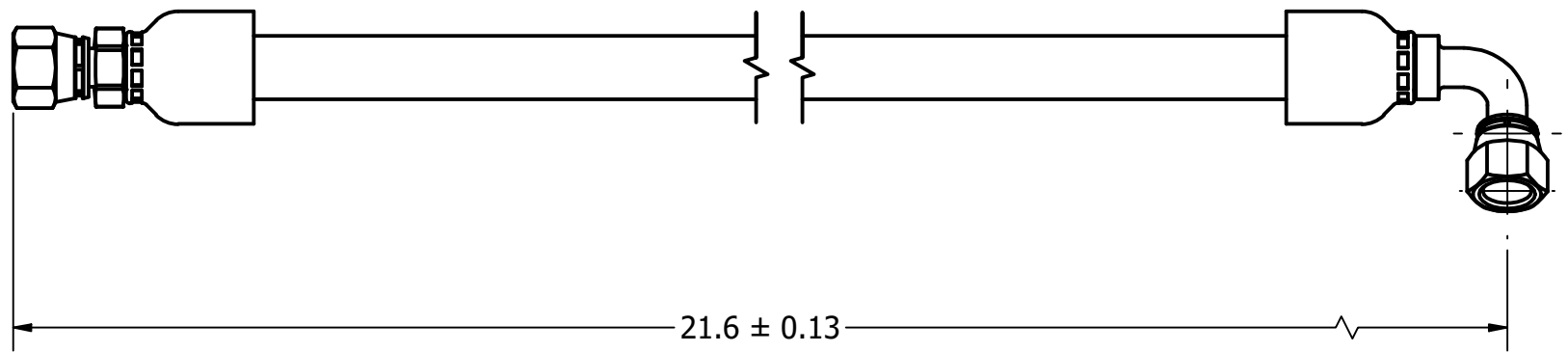
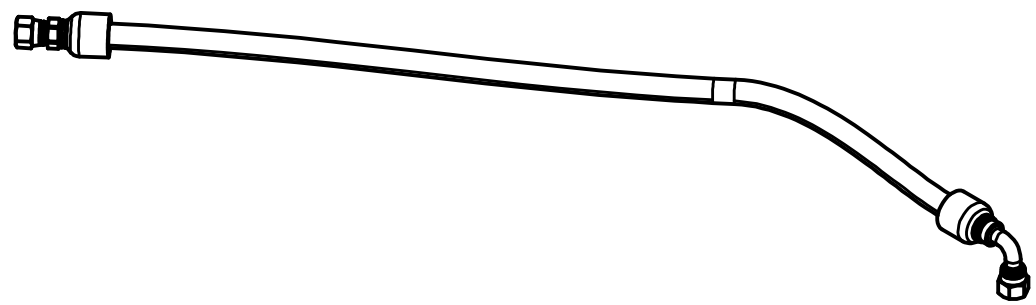


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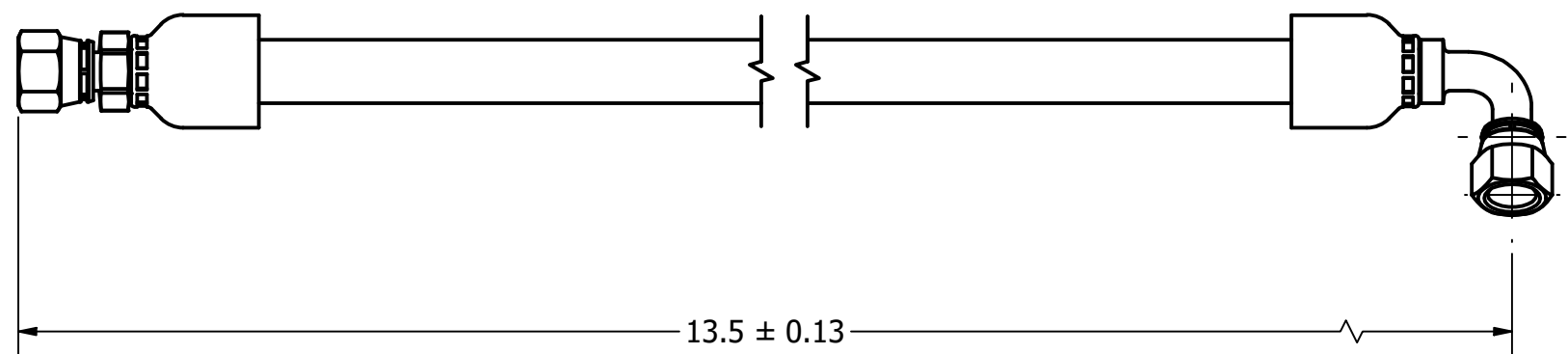
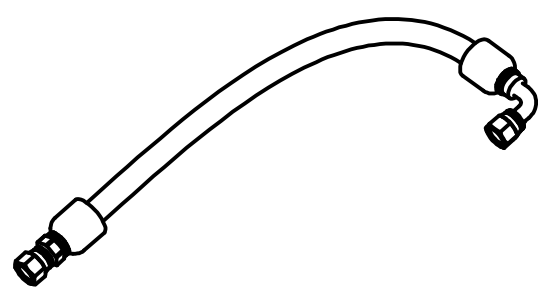
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	TITLE		DRAWING NUMBER	
	HOSE		ES40310	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ±.1 .XX = ±.05 .XXX = ±.010 ANGLES = ± 1°	DRAWN BY EW	CHK'D BY LS	APRVD. BY JT	DATE 10/4/17
	DO NOT SCALE DRAWING			REV E
	THREADS: INTERNAL: CLASS 2B EXTERNAL: CLASS 2A			ECO
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-11 HOSE ASSEMBLY



-12 HOSE ASSEMBLY

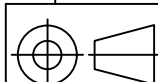


PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	19.6 IN	471TC-4	HOSE
2	1	13943-4-4C	ELBOW FITTING
3	1	10643-4-4C	STRAIGHT FITTING

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	11.5 IN	471TC-4	HOSE
2	1	13943-4-4C	ELBOW FITTING
3	1	10643-4-4C	STRAIGHT FITTING

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	EW	LS	JT	10/4/17	E	
	DO NOT SCALE DRAWING				SHEET	
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